

Title (en)
Device for introducing a gas into a liquid

Title (de)
Vorrichtung zur Begasung von Flüssigkeiten

Title (fr)
Dispositif pour introduire un gaz dans un liquide

Publication
EP 0649338 B1 19990310 (EN)

Application
EP 93910280 A 19930525

Priority
• GB 9301076 W 19930525
• GB 9213513 A 19920625

Abstract (en)
[origin: US5505881A] The invention relates to apparatus (1) for distributing a gas in a liquid, particularly for "floating" particulate matter from raw or flocculated sewage, comprising an inlet (2) for a gas entrained in a liquid carrier such as recycled sewage, a sinuous part (16, 18) of a flow path (3) through the apparatus, and a downstream outlet (4, 11) of substantially uniform cross section adapted to allow gas to be released from the liquid carrier and to be dispersed laterally of the flow path (3).

IPC 1-7
B01F 3/04

IPC 8 full level
B05B 1/08 (2006.01); **B01F 3/04** (2006.01); **B01F 5/02** (2006.01); **C02F 1/24** (2006.01); **C02F 3/20** (2006.01); **B01F 5/00** (2006.01)

CPC (source: EP US)
B01F 23/23121 (2022.01 - EP US); **B03D 1/1431** (2013.01 - EP US); **B03D 1/242** (2013.01 - EP US); **C02F 1/24** (2013.01 - EP US); **C02F 3/20** (2013.01 - EP US); **B01F 2025/9121** (2022.01 - EP US); **Y02W 10/10** (2015.05 - EP US)

Cited by
DE19950600C2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC

DOCDB simple family (publication)
US 5505881 A 19960409; AT E177341 T1 19990315; AU 4084693 A 19940124; AU 664899 B2 19951207; CA 2138653 A1 19940106; DE 69323882 D1 19990415; DE 69323882 T2 19991014; EP 0649338 A1 19950426; EP 0649338 B1 19990310; ES 2132231 T3 19990816; GB 2268089 A 19940105; GB 2268089 B 19960508; GB 9213513 D0 19920812; GB 9311620 D0 19930721; JP 3228478 B2 20011112; JP H08502685 A 19960326; NZ 252267 A 19960426; WO 9400223 A1 19940106; ZA 933965 B 19940105

DOCDB simple family (application)
US 36075295 A 19950320; AT 93910280 T 19930525; AU 4084693 A 19930525; CA 2138653 A 19930525; DE 69323882 T 19930525; EP 93910280 A 19930525; ES 93910280 T 19930525; GB 9213513 A 19920625; GB 9301076 W 19930525; GB 9311620 A 19930604; JP 50212494 A 19930525; NZ 25226793 A 19930525; ZA 933965 A 19930604